

## ABSTRACT

A polynucleotide encoding a chimeric polypeptide is provided. The chimeric polypeptide includes (a) a first polypeptide region being capable of specifically binding at least one detectable molecule; and (b) a second polypeptide region being capable of specifically binding a biological component or macromolecule or targeting a cellular compartment. Methods utilizing the polynucleotide or the chimeric polypeptide for highlighting a cell compartment, a biological component or macromolecule are also provided.